	umber: /0/03/, /46 EA, CRF Processing Date: _9//	- /,
. (Changed a fil from non-ASCII to ASCII	<u> </u>
.(Changed the margins in cases where the sequence text was "vapped" down to the next line.	
1	Edited a format error in the Current Application Data section, specifically:	
-	Edited the Current Application Data section with the actual current number. The number inputted applicant was the prior application data; or other	d by
/	Added the mandatory heading and subheadings for "Current Application Data".	
E	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an	int
(Changed the spelling of a mandatory field (the headings or subheadings), specifically:	
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited we	ere
ı	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:	
	Corrected subheading placement. All responses must be on the same line as each subheading. I applicant placed a response below the subheading, this was moved to its appropriate place.	if t
	Inserted colons after headings/subheadings. Headings edited included:	
-	Deleted extra, invalid, headings used by an applicant, specifically:	
_	Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as	e (
	Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at	e (
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as	1 01
_	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically:	91
-	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically:	er
-	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically:	er
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field according to the page of the page o	<u> </u>
D	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field according to a Patentin bug). Sequences corrected:	<u> </u>
_ D	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field according to the page of the page o	<u> </u>
_ D	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at page numbers throughout text; other invalid text, such as Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field according to a Patentin bug). Sequences corrected:	<u>}</u>



PCT10

RAW SEQUENCE LISTING DATE: 06/17/2002 PATENT APPLICATION: US/10/031,146 TIME: 19:41:50

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3	<110>					Ber	nhar	đ	•						,	V_{\perp}		
4		PLEIS														A		
5		SCHWA				ch												
6		SCHMI																
		TITLE	OF :	INVE	OITN	N: No	ovel	cyt	ochr	ome :	P450	mon	оху	gena:	ses an	d their	use fo	or the
oxidation	on of																~	
9		organ																
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C> 14																		
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	Glu Se	_	Phe	Asp	Lys		Leu	Ser	GIn	Ala		Lys	Phe	Val	Arg			
52		5			•	70					75					000		
	gat tt	•		-					-		-		-			288		
	Asp Ph	e Ala	GTA	Asp	_	Leu	Phe	Thr	Ser	-	Thr	His	GLu	Lys				
	80				85					90					95	226		
	tgg aa															336		
	Trp Ly	s Ļys	Ala		Asn	шe	Leu	Leu		Ser	Phe	ser	GIn		Ala			
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Input Set : A:\PTO.AMC.TXT

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	Āsp	-		_		-		_					_				
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	aaa																720
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	Gly																700
	240		пор	110	014	245	OI,	Olu		Lou	250		O_Lu	110.1		255	
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104	4			275	5				280)				285	;		
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107	7 Glr	ı Lys	s Ala	a Ala	ı Glu	Glu	ı Ala	Ala	Arg	y Val	Let	ı Val	_		Va]	Pro	
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	_	tac	aaa	a caa	gto	aaa	cag	ctt	aaa	a tat	: atc	: aac	ato	rato	: tta	aac	960
					_		_				_						
112		_	_	Glr	_	Lys	Gln	Leu			_	. Gly	Met		. Le	ı Asn	
	2	30	5		Val	_	Gln 310	Leu	Lys	туг	. Val	. Gly 315	Met	Val			1000
114	2 4 ga <i>a</i>	305 a gc	o g cte	ı cgo	Val	tgg	Gln 310 cca	Leu act	Lys gct	Tyr cct	Val	. Gly 315 , ttt	Met tcc	Val	ı tat	gca	1008
114 115	2 4 gaa 5 Glu	309 a gcg a Ala	o g cte	ı cgo	Val	tgg Trp	Gln 310 cca Pro	Leu act	Lys gct	Tyr cct	Val gcg	Gly 315 ttt Phe	Met tcc	Val	ı tat	gca Ala	1008
114 115 116	2 4 gaa 5 Glu 6 320	305 a gcg a Ala	g cto a Leu	g cgc	Val tta Leu	tgg Trp	Gln 310 cca Pro	Leu act Thr	Lys gct	Tyr cct	Val gcg Ala 330	Gly 315 ttt Phe	Met tcc Ser	Val	tatı Tyr	gca Ala 335	
114 115 116	2 4 gaa 5 Glu 6 320 8 aaa	30! a gcg a Ala) a gaa	o cto d Lei	g cgc	Val tta Leu	tgg Trp 325	Gln 310 cca Pro	Leu act Thr	Lys gct Ala	Tyr cct Pro	Yal gcg Ala 330	Gly 315 ttt Phe ttta	tcc Ser	Val cta Leu	tat Tyr	gca Ala 335 gac	1008
114 115 116 118	2 4 gaa 5 Glu 6 320 8 aaa 9 Lys	30! a gcg a Ala) a gaa	o cto d Lei	g cgc	Val tta Leu gtg Val	tgg Trp 325 ctt	Gln 310 cca Pro	Leu act Thr	Lys gct Ala	Tyr cct Pro tat	yal gcg Ala 330 cct	Gly 315 ttt Phe ttta	tcc Ser	Val cta Leu	tat Tyr ggc Gly	gca Ala 335 gac Asp	
114 115 116 118 119	2 4 gaa 5 Glu 6 320 8 aaa 9 Lys	305 a gcg i Ala) a gaa s Gli	g cto g cto a Leu a gat a Asp	g cgc l Arg acg	tta Leu gtg Val	tgg Trp 325 ctt	Gln 310 cca Pro Fro gga Gly	Leu act Thr gga Gly	Lys gct Ala gaa	Tyr cct Pro tat Tyr 345	Val geg Ala 330 cct	Gly 315 ttt Phe tta Leu	tcc Ser gaa	Val cta Leu aaa	tat Tyr ggc Gly 350	gca Ala 335 gac Asp	1056
114 115 116 118 119 120 122	2 4 gaa 5 Glu 6 320 8 aaa 9 Lys 0	30! a gcg i Ala) a gaa i gaa i Gli	g cto g cto a Leo a gat a Asp	g cgc Arg acg Thr	Value tta Leur gtg Value 340	tgg Trr 325 ctt Leu	Glm 310 GCa Pro GG	act Thr gga Gly	Lys gct Ala gaa Glu	t cct Pro tat tat Tyr 345	Value gogo Ala 330 cotto Pro	Gly 315 y ttt phe tta Leu gat	tcc Ser gaa Glu	Val	tat Tyr ggc Gl _y 350	gca Ala 335 gac Asp	
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114 115 116 118 120 122 123 124	2 gaa 5 Glu 6 320 8 aaa 9 Lys 0 gaa 3 Glu	30! a gcg a Ala b a gaa s Glu a cta a cta	g cto g cto a Leu a gat a Asp a ato	g cgc Arg acg Thr g gtt Val	val tta Leu gtg Val 340 ctg	tgg Trp 325 ctt Leu	Gln 310 cca Pro gga Gly cct	Leu act Thr gga Gly cag	Lys gct Ala gaa Glu ctt Leu 360	t cct Pro tat Tyr 345 ccac	Val	Gly 315 y ttt Phe tta Leu gat	Met tcc Ser gaa Glu aaa	c val	tati Tyr ggc Gly 350 att	gca Ala 335 gac Asp tgg	1056
114 115 116 118 120 122 123 124	2 gaa 5 Glu 6 320 8 aaa 9 Lys 0 gaa 3 Glu 4 gga	30! a gcg i Ala) a gaa s Glu a cta i Leu a gaa	g cto g cto a Leu a gat a Asp a ato a Met	g cgc acg acg Thr gtt Val 355	tta Leu gtg Val 340 ctg Leu ggaa	tgg Trp 325 ctt Leu att	Gln 310 cca Pro gga Gly cct Pro	Leu act Thr gga Gly cag Gln	gct Ala gaa Glu ctt Leu 360	Tyr cot Pro tat Tyr 345 coo His	Value gego Ala 330 cotto Pro	Gly 315 y ttt Phe tta Leu gat Asp	Met tcc Ser gaa Glu aaa Lys	t Val	ggc Gly 350 att	gca Ala 335 gac Asp	1056

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	Thr	_						-			-	_	-		_	_	1//6
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	228	АТА	мта	770	TIIT	Val	Cys	PIO	775	птэ	пуъ	Val	GIU	780	GIU	АТА	ьеu	
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•			Leu	Glu	Leu	Leu	Glu	Lys	Tyr	Pro	Ala		Glu	Met	Lys	Phe		
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							Val		_			_	_		_			
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	251	Ala	865	Asn	туг	Leu	Ala	870	ьеu	GIN	GIU	GIY	875	Thr	TTE	Thr	Cys	
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	256						885					890		-1-	E		895	
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Input Set : A:\PTO.AMC.TXT

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	Leu			_			_	_			_	_				-	2920
	960	1113	1111	AIG	riic	965	пта	nec	110	HOII	970	110	цуз	1111	- Y -	975	
	cag	Cac	αta	ato	maa		as c	aac	aan	222	-	a++	ma a	ctt	ctt		2976
	Gln		-	-	_		-		_		-		_			_	2370
280	01	1115	vul	1100	980	0111	пор	017	ב עב	985	шец	110	Olu	шец	990	пор	
	caa	aas	aca	cac		tat	att	tac	ααа		ααа	agc	саа	atσ		act	3024
	Gln																5021
284	0	0-1		995		-1-		_	1000		0-1			1005			
	gcc	att	σaa		acq	ctt	atσ			tat	act	σac			caa	ata	3072
	Ala	-	_	_	_		_		_		-	-	-				
288			1010					1015		-1-			L020				
	agt			qac	qct	cqc			cta	caq	caq			qaa	aaa	aac	3120
	Ser																
292		1025		-		_	L030	-				L035			•	-	
294	cga	tac	gca	aaa	gac	gtg	tgg	gct	ggg	taa							3150
295	Arg	Tyr	Ala	Lys	Asp	Val	Trp	Ala	Gly								
296	1040)			:	1045											
	<210																
299	<213	l> LE	ENGTI	1: 10	048												
300	<212	2> T3	PE:	PRT													
	<213					illus	s meg	gatei	rium								
	<400		_														
	Thr	Ile	Lys	Glu		Pro	Gln	Pro	Lys		Phe	Gly	Glu	Leu	_	Asn	
306					5					10					15		
	Leu	Pro	Leu		Asn	Thr	Asp	Lys		Val	Gln	Ala	Leu		Lys	Ile	
309		_		20					25				_	30	_		
	Ala	Asp		Leu	Gly	Glu	Ile		Lys	Phe	Glu	Ala		Gly	Arg	Val	
312		_	_35	_		_		40	_		_		45	_	_		
	Thr	-	Tyr	Leu	Ser	ser		Arg	Leu	TTE	ьуs		Ala	Cys	Asp	GIU	
315	C ~ ~	50	Dk -	3	T	3	55	O =	C1	71 -	T	60	nı.	37- 3	3	3	
	Ser	Arg	rne	ASP	гла		ьeu	ser	GIU	нта		тĀг	rne	val	arg		
318	65	77	C1	7	C1	70	Dha	mЪ	C	m	75	17:	C1	T	7	80 mm	
320	Phe	AIG	стХ	ASP		ьeu	rne	THE	ser		TIII	uTS	GIU	тÃг		ттр	
	_	•	31-	***	85	Tla	Len	Ten	Dro	90	Dho	Se.~	Cl n	Cln	95 212	Mo+	
J Z J	T.370																
スつ/	Lys	гÃ2	Ala		ASII	116	пец	пси		Jer	FIIC	Der	01		niu	1100	
324 326	Lys			100					105					110			

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/031,146

DATE: 06/17/2002 TIME: 19:41:51

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\06172002\J031146.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 16,17,18
Seq#:4; N Pos. 13,14,15
Seq#:5; N Pos. 16,17,18
Seq#:6; N Pos. 17,18,19
Seq#:7; N Pos. 25,26,27
Seq#:8; N Pos. 15,16,17